

Abstract

This invention discloses an apparatus for testing skin moisture, which comprises a casing, a fixed base at the front end of the casing, at least one through hole on the fixed base, a hollow cylindrical metal electrode with a closed end passing through the through hole, and an electrically conductive elastic member in the electrode; wherein the elastic member is pressed into the electrode, the other end of the elastic member is fixed into the casing, and the casing has a correction resistor coupled in parallel with the elastic member, and the correction resistor is coupled to a micro alternate current generator, and an alternate current resistance measuring circuit is coupled to a CPU single-chip microprocessor. In the test, the electrodes are pressed onto the skin of the person taking the test, so that a resistance can be measured when a micro alternate current of the electrode passes through the skin. After the measured value of this resistance is compared with a predetermined value of the data stored in a memory by the CPU single-chip microprocessor, the result of the comparison will be displayed by a display device. As the electrodes press on the skin and move towards the casing, the limitation given by the fixed base keeps the moving distance the same for each time, and thus the electrodes can exert the same pressure on the skin. Under the same testing environment, same results are obtained, and the test will not give different results due to different pressure exerted by the electrodes.